

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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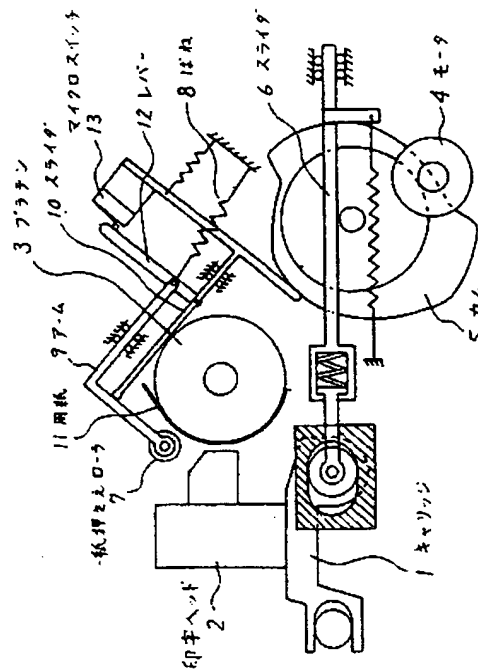
APPLICATION DATE : 09-03-88  
APPLICATION NUMBER : 63056733

APPLICANT : NEC CORP;

INVENTOR : TAKEDA MINORU;

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TITLE : AUTOMATIC SHEET THICKNESS  
REGULATING MECHANISM FOR  
PRINTER



ABSTRACT : PURPOSE: To regulate a sheet thickness without damaging a mechanism and a sheet in a short time by cooperating the movement of a sheet retaining roller with that of a printing head, and detecting the thickness by the position of the roller to position the head.

CONSTITUTION: When a sheet 11 is set on a platen 3, a cam 5 is rotated counterclockwise by a motor 4. Thus, a sheet retaining roller 7 and a carriage 1 move radially inward of the platen 3. When the roller 7 is brought into contact with the sheet 11, an arm 9 is stopped, but a slider 10 is further moved by the rotation of the cam 5. Accordingly, a lever 12 supported by the arm 9 and the slider 10 is displaced. A microswitch 13 in contact with the lever 12 detects the displacement to stop the rotating motor 4. Thus, the cam 5 is stopped to stop the carriage 1. That is, the detection of the thickness of the sheet 11 is conducted by the roller 7 without depending upon a printing head 2, thereby automatically optimally regulate a gap between the platen 3 and the head 2.

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